

What Is Claimed Is:

1. An assembly comprising:

a subject article; and

a laser target device, the laser target device comprising  
5 a reflective target and a mount, the mount having first and  
second portions, the first portion of the mount being  
resiliently deflectable from a neutral position relative to  
the second portion of the mount, the mount securing the  
reflective target to the subject article at least partially by  
10 the first and second portions of the mount being biased into  
engagement with the subject article via a biasing force that  
exists as a result of the first portion being deflected from  
the neutral position relative to the second portion.

2. An assembly in accordance with claim 1 wherein the first  
15 portion of the mount comprises a first surface and the second  
portion of the mount comprises a second surface, the first and  
second surfaces facing toward one another, the first and  
second surfaces being engaged with the subject article, the  
biasing force acting to force the first and second surfaces  
20 against a portion of the subject article that is positioned  
between the first and second surfaces of the mount.

3. An assembly in accordance with claim 2 wherein the  
portion of the subject article comprises first and second wall

portions that each comprise opposite side surfaces, the first wall portion being intersected at an angle by the second wall portion, the mount engaging the opposite side surfaces of the first wall portion and engaging at least one of the opposite  
5 side surfaces of the second wall portion.

4. An assembly in accordance with claim 1, wherein the first portion of the mount comprises a first surface and the second portion of the mount comprises a second surface, the first and second surfaces facing away from one another, the first and  
10 second surfaces being engaged with the subject article, the biasing force acting to force the first and second surfaces away from each other and against opposing surface portions of the subject article.

5. An assembly in accordance with claim 4, wherein the mount  
15 comprises a plurality of tabs arranged in a circumferential manner, one of the plurality of tabs constituting the first portion of the mount and another of the tabs constituting the second portion of the mount, the opposing surface portions of the subject article each being part of an inward facing  
20 cylindrical surface of the subject article.

6. An assembly in accordance with claim 1 wherein the laser target device further comprises a stem, the stem connecting

the reflective target to the mount, the mount having a recessed opening that extends into the mount, the stem having a portion that is press-fit into the recessed opening of the mount in a manner securing the mount to the stem.

5 7. A method comprising:

providing a subject article;

forming a mount in a manner such that the mount comprises first and second portions and such that the first portion of the mount is resiliently deflectable from a neutral position  
10 relative to the second portion of the mount;

rigidly connecting a reflective target to the mount in a manner forming a laser target device that is comprised of the reflective target and the mount;

attaching the laser target device to the subject article  
15 by at least resiliently deflecting the first portion of the mount from the neutral position relative to the second portion and engaging the first and second portions of the mount with the subject article so that a biasing force that is created as a result of the first portion being deflected from the neutral  
20 position relative to the second portion acts to force the first and second portions of the mount into engagement with the subject article; and

aligning a laser projection device with the subject

article by reflecting a laser beam emitted from the laser projection device off of the reflective target of the laser target device with the laser target device attached to the subject article as recited.

5 8. A method in accordance with claim 7 wherein the step of attaching the laser target device to the subject article occurs by at least resiliently deflecting the first portion of the mount away from the second portion, and wherein the biasing force that acts to force the first and second portions  
10 of the mount into engagement with the subject article does so by acting to force the first portion of the mount toward the second portion of the mount.

9. A method in accordance with claim 8 wherein the step of providing the subject article occurs in a manner such that the  
15 subject article comprises first and second wall portions that each comprise opposite side surfaces, the first wall portion being intersected at an angle by the second wall portion, and wherein the step of attaching the mount to the subject article occurs by engaging the mount with both of the opposite side  
20 surfaces of the first wall portion and with at least one of the opposite side surfaces of the second wall portion.

10. A method in accordance with claim 7 wherein the step of attaching the laser target device to the subject article occurs by at least resiliently deflecting the first portion of the mount toward the second portion, and wherein the biasing  
5 force that acts to force the first and second portions of the mount into engagement with the subject article does so by acting to force the first portion of the mount away from the second portion of the mount.

11. A method in accordance with claim 10 wherein the step of  
10 providing the subject article occurs in a manner such that the subject article comprises an inward facing cylindrical surface, and wherein the step of providing the mount occurs in a manner such that the mount comprises a plurality of tabs arranged in a circumferential manner, one of the plurality of  
15 tabs constituting the first portion of the mount and another of the tabs constituting the second portion of the mount, and further wherein the step of attaching the mount to the subject article occurs by engaging at least two of the plurality of tabs of the mount with the inward facing cylindrical surface  
20 of the subject article in manner that deflects the at least two of tabs toward each other.

12. A method in accordance with claim 7 wherein the step of rigidly connecting the reflective target to the mount

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comprises attaching the reflective target to a stem of the laser target device and attaching the stem to the mount via a press-fit connection.

13. A method in accordance with claim 7 further comprising  
5 creating a digital representation of at least a portion of the subject article, and wherein the step of forming the mount portion occurs via a digitally controlled layered manufacturing technique that is dependent upon the digital representation of the portion of the subject article.

10 14. A method comprising:

providing a subject article, the subject article having a surface geometry;

creating a digital representation of at least a portion of the surface geometry of the subject article;

15 forming a mount via a digitally controlled layered manufacturing technique, the forming of the mount being dependent upon the digital representation of the portion of the surface geometry;

rigidly connecting a reflective target to the mount in a  
20 manner forming a laser target device that is comprised of the reflective target and the mount;

attaching the laser target device to the subject article  
by at least engaging the mount of the laser target device with  
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the surface geometry of the subject article; and

aligning a laser projection device with the subject article by reflecting a laser beam emitted from the laser projection device off of the reflective target of the laser target device with the laser target device attached to the subject article as recited.

15. A method in accordance with claim 14 wherein the step of forming the mount occurs in a manner such that the mount comprises first and second portions and such that the first portion of the mount is resiliently deflectable from a neutral position relative to the second portion of the mount, and wherein the step of attaching the laser target device to the subject article occurs by at least resiliently deflecting the first portion of the mount away from the second portion in a manner creating a biasing force that acts to force the first and second portions of the mount into engagement with the surface geometry of the subject article by forcing the first portion of the mount toward the second portion of the mount.

16. A method in accordance with claim 15 wherein the step of providing the subject article occurs in a manner such that the portion of the surface geometry of the subject article comprises first and second wall portions that each comprise opposite side surfaces, the first wall portion being

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intersected at an angle by the second wall portion, and wherein the step of attaching the mount to the surface geometry of the subject article occurs by engaging the mount with both of the opposite side surfaces of the first wall portion and with at least one of the opposite side surfaces of the second wall portion.

17. A method in accordance with claim 14 wherein the step of forming the mount occurs in a manner such that the mount comprises first and second portions and such that the first portion of the mount is resiliently deflectable from a neutral position relative to the second portion of the mount, and wherein the step of attaching the laser target device to the subject article occurs by at least resiliently deflecting the first portion of the mount toward the second portion in a manner creating a biasing force that acts to force the first and second portions of the mount into engagement with the surface geometry of the subject article by forcing the first portion of the mount away from the second portion of the mount.

18. A method in accordance with claim 17 wherein the step of providing the subject article occurs in a manner such that the portion of the surface geometry of the subject article comprises an inward facing cylindrical surface, and wherein



the step of providing the mount occurs in a manner such that the mount comprises a plurality of tabs arranged in a circumferential manner, one of the plurality of tabs constituting the first portion of the mount and another of the tabs constituting the second portion of the mount, and further wherein the step of attaching the mount to the surface geometry of the subject article occurs by engaging the at least two of the plurality of tabs of the mount with the inward facing cylindrical surface of the subject article in a manner that deflects the at least two of the plurality of tabs toward each other.

19. A method in accordance with claim 14 wherein the step of rigidly connecting the reflective target to the mount comprises attaching the reflective target to a stem of the laser target device and attaching the stem to the mount via a press-fit connection.

20. A method in accordance with claim 14 wherein the step of forming the mount portion comprises creating a three-dimensional label on the mount via the digitally controlled layered manufacturing technique, the label comprising indicia that is viewable on the laser target device and that serves to distinguish the laser target device from other laser target devices.